



<b>FORM PTO-1449</b> (Modified) <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Application No.:</b> 09/853,427	<b>Art Unit:</b> 1642
				<b>Filing Date:</b> May 10, 2001	<b>Examiner Name:</b> UNGAR, Susan
				<b>First Named Inventor:</b> JAMES MULLIN	<b>Attorney Docket No.:</b> MUL01-NP001
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**U.S. PATENT DOCUMENT**

Examiner Initial	CITE NO.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
GM	A1	5,620,899	April 15, 1997	Meddings, Jonathan B. et al
	A2	6,251,681	June 26, 2001	Davies, Richard J. et al
	A3	6,407,058	June 18, 2002	Staddon, James Martin et al
	A4	5,605,840	February 25, 1997	Meddings, Jonathan B. et al

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initial	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	English Translation Attached
SM	C1	MEDDINGS JB et al, "Sucrose: A Novel Permeability Marker for Gastroduodenal Disease", <i>Gastroenterology</i> 1993;104:1619-1626	
	C2	SUTHERLAND LR et al, "A simple, non-invasive marker of gastric damage: sucrose permeability", <i>The Lancet</i> 1994;343:998-1000	
	C3	MULLIN JM et al, "Different Size Limitations for Increased Transepithelial Paracellular Solute Flux Across Phorbol Ester and Tumor Necrosis Factor-Treated Epithelial Cell Sheets", <i>J of Cellular Physiology</i> 1997;171:226-233	
	C4	MULLIN JM et al, "Potential Interplay Between luminal Growth Factors and Increased Tight Junction Permeability in Epithelial Carcinogenesis", <i>J of Experimental Zoology</i> 1997;279:484-489	

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SK	C5	MULLIN JM et al, "Protein Kinase C Activation Increases Transepithelial Transport of Biologically Active Insulin", <i>Cancer Research</i> 1998;58:1641-1645	
	C6	MULLIN JM et al, "Electrophysiological Differences in Normal Colon Mucosa from Diverticular Disease vs Cancer", <i>Digestive Diseases and Sciences</i> 2000;45(12):2374-2375	
	C7	SOLER AP et al, "Increased tight junctional permeability is associated with the development of colon cancer", <i>Carcinogenesis</i> 1999;20(8):1425-1431	
	C8	CLARKE H et al, "Modification of tight junction function by protein kinase C isoforms", <i>Advanced Drug Delivery Reviews</i> 2000;41:283-301	
	C9	KAWABATA H et al, "Sucrose permeability as a means of detecting diseases of the upper digestive tract", <i>J Gastroenterol Hepatol</i> 1998;13(10):1002-6	

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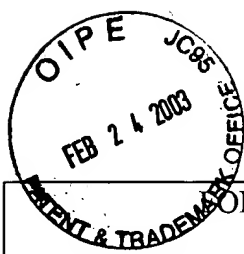
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Ju	C10	MEDDINGS JB et al, "Sucrose Permeability: A Novel Means of Detecting Gastroduodenal Damage Noninvasively", <i>Am j Ther</i> 1995;2(11):843-849	
	C11	WILAIRATANA P et al, "Increased gastrointestinal permeability in patients with Plasmodium falciparum malaria", <i>Clin Infect Dis</i> 1997;24(3):430-5	
	C12	MULLIN JM et al, "Potential interplay between luminal growth factors and increased tight junction permeability in epithelial carcinogenesis", <i>J of Experimental Zoology</i> 1997;279:484-489	
	C13	MARTINEZ-PALOMO A, "Ultrastructural modification of intercellular junctions between tumor cells", <i>In Vitro</i> 1970;6(1):15-20	
	C14	DAVIES RJ et al, "Epithelial impedance analysis in experimentally induced colon cancer", <i>Biophys J</i> 1987;52(5):783-90	

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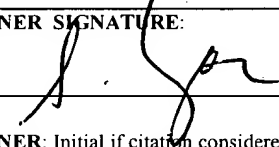
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SJL	C15	DAVIES RJ et al, "Sodium transport in a mouse model of colonic carcinogenesis", <i>Cancer Res</i> 1987;47(7):4646-4650	
	C16	DAVIES RJ et al, "Colonic epithelial impedance analysis in a murine model of large-bowel cancer", <i>Arch Surg</i> 1986;121:1253-1258	
	C17	DAVIES RJ et al, "Transmural electrical potential difference as an early marker in colon cancer", <i>Arch Surg</i> 1986;121:345-350	
	C18	DAVIES RJ et al, "Detection of the Cancer-Prone Colon, Using Transepithelial Impedance Analysis", <i>Arch Surg</i> 1989;124:480-484.	

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